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FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

17

Application Number

10/787,367

Filing Date

February 26, 2004

First Named Inventor

Michael GRAUPE et al.

Art Unit

1626

Examiner Name

Coppins, Janet

Attorney Docket Number

USA2001/0143 US CNT

ENCLOSURES (Check all that apply)

- Fee Transmittal Form
- Fee Attached
- Amendment/Reply
 - After Final
 - Affidavits/declaration(s)
- Extension of Time Request
- Express Abandonment Request
- Information Disclosure Statement
- Certified Copy of Priority Document(s)
- Reply to Missing Parts/ Incomplete Application
 - Reply to Missing Parts under 37 CFR 1.52 or 1.53

- Drawing(s)
- Licensing-related Papers
- Petition
 - Petition to Convert to a Provisional Application
 - Power of Attorney, Revocation
 - Change of Correspondence Address
- Terminal Disclaimer
- Request for Refund
- CD, Number of CD(s) _____
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Remarks

After Allowance Communication to TC

Appeal Communication to Board of Appeals and Interferences

Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)

Proprietary Information

Status Letter

Other Enclosure(s) (please identify below):

- 1. Form 1449
- 2. IDS Fee sheet

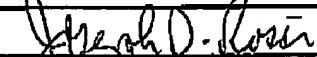
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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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In re Application of
GRAUPE, et al.

Examiner: Coppins, Janet **MAY 18 2005**

Application No.: **10/787,367**

Art Unit: **1626**

Filed: **February 26, 2004**

Title: **NOVEL COMPOUNDS AND
COMPOSITIONS AS CATHEPSIN
INHIBITORS**

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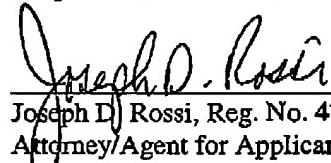
TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
FOR WHICH THE FEE SPECIFIED UNDER 37 C.F.R. 1.97(c) IS REQUIRED

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Enclosed is an Information Disclosure Statement for which the fee specified in 37 C.F.R. 1.97(c) is required.

Please charge Deposit Account No. 18-1982 in the amount of \$180.00. The Commissioner is authorized to charge any fees under 37 C.F.R. 1.17(p) or credit any overpayment to Account No. 18-1982.

Respectfully submitted,


 Joseph D. Rossi, Reg. No. 47,038
 Attorney/Agent for Applicant

Aventis Pharmaceuticals Inc.
 Patent Department
 Route #202-206 / P.O. Box 6800
 Bridgewater, NJ 08807-0800
 Telephone (908) 231-3410
 Telefax (908) 231-2626

Aventis Docket No. USAV2001/0143 US CNT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICEIn re Application of
GRAUPE, et al.

Examiner: Coppins, Janet

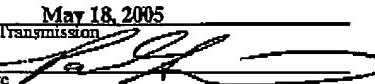
Application No.: 10/787,367

Art Unit: 1626

Filed: February 26, 2004

TELEFAX CERTIFICATETitle: **NOVEL COMPOUNDS AND
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Signature **INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. 1.56, 1.97 AND 1.98**Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Applicants submit herewith patents, publications, and other information of which they are aware, which they believe may be material, as defined in 37 C.F.R. 1.56(b), to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. 1.56(a). While the information referred to in this Information Disclosure Statement may be material pursuant to 37 C.F.R. 1.56(b), the filing of this Information Disclosure Statement is not intended to, pursuant to 37 C.F.R. 1.97(h), constitute an admission that any patent, publication or other information referred to is, or is considered to be, material to the patentability of this invention. Pursuant to 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information exists.

- (a) This Information Disclosure Statement is filed within the period set forth in §1.97(b) because it accompanies the new patent application submitted herewith, is filed within three months of the filing date of a national application or within three months of the date of entry of the national stage as set forth in §1.491 in an international application, or is believed to be filed before the mailing date of a first Office Action on the merits, whichever event occurs last. However, in the event that the first office action has been mailed, the Commissioner is authorized to charge any fees under 37 C.F.R. 1.17(p) or credit any overpayment to Account No. 18-1982.

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- (b) This Information Disclosure Statement is filed after the period set forth in 37 C.F.R. 1.97(b), but is believed to be filed before the mailing date of a final action under §1.113 or a notice of allowance under §1.311, whichever occurs first.
- (1) The undersigned attorney certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement;
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A concise explanation of the relevance of some or all of the items listed on the attached PTO-1449 (modified) is as follows:

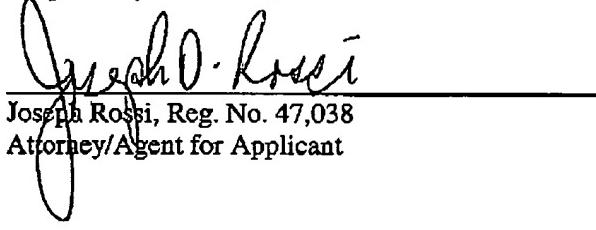
The items listed on pages 1 –13 of the attached PTO-1449 have been previously submitted to the Patent Office or cited by the Examiners during the prosecution of the following patents or patent applications commonly owned by the assignees of record of the present case:

U.S. Patent Nos. 6,576,630, 6,506,733, 6,455,502 and 6,492,362; and

U.S. Patent Application Nos. 10/035,783, 10/478,632, 10/719,080, 10/418,183 and 10/294,526.

Therefore, a copy of the reference is not enclosed with this Information Disclosure Statement. However, the applicant will furnish a copy of any listed reference, if so requested by the Examiner.

Respectfully submitted,



Joseph Rossi, Reg. No. 47,038
Attorney/Agent for Applicant

Aventis Pharmaceuticals Inc.
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Aventis Docket No. USAV2001/0143 US CNT

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Substitute for form 1449A/PTO				Complete if Known	
				Application Number	10/787,367
				Filing Date	02/26/2004
				First Named Inventor	GRAUPE
				Group Art Unit	1626
				Examiner Name	Coppins, Janet
				Attorney Docket Number	USA2001/0143 - US - CNT
Sheet	1	of	13		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		4,927,809		STUBER, et al.	05-22-1990	
		5,424,325		ANDO, et al.	06-13-1995	
		5,486,629		ZIMMERMAN, et al.	01-23-1996	
		5,498,616		MALLANO, et al.	03-12-1996	
		5,847,135		BEMIS, et al.	12-08-1998	
		5,852,007		CHATTERJEE, et al.	12-22-1998	
		5,874,424		BATCHELOR, et al.	02-23-1999	
		5,998,390		RAMAMURTHY, et al.	12-07-1999	
		6,004,833		SPRUCE, et al.	12-21-1999	
		6,022,861		SCARBOROUGH, et al.	02-08-2000	
		6,114,310		CHAMBERLAND, et al.	09-05-2000	
		6,124,833		MILLER, et al.	12-26-2000	
		6,255,453		GYORKOS	07-03-2001	
		6,353,017		ALTMAN, et al.	03-05-2002	
		6,455,502		BRYANT, et al.	09-24-2002	
		6,478,028		BRYANT, et al.	11-05-2002	
		6,492,382		GRAUPE, et al.	12-10-2002	
		6,506,733		BUYSSE	01-14-2003	
		6,576,630		LINK, et al.	06-10-2003	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office ³	Number ⁴	Kind Code ² (if known)			
		EP	EP 0272871		KRANTZ, et al.	06-29-1988	
		EP	EP 0291234		EDWARDS, et al.	11-17-1998	
		EP	EP 0355572		PAQUES, et al.	02-28-1990	
		EP	EP 0378012		ALBRIGHT, et al.	07-04-1990	
		EP	EP 0419683		HARA, et al.	04-03-1991	
		EP	EP 0536399		OKUBO, et al.	04-01-1993	
		EP	EP 0652009		DOVEY, et al.	10-05-1995	
		EP	EP 0754454		KOBAYASHI, et al.	01-22-1997	
		JP	JP 06192199		RYOICHI, et al.	07-12-1994	
		JP	JP 42009133		IRIKURA, et al.	05-06-1967	

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Substitute for form 1449A/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/787,367
				Filing Date	02/26/2004
				First Named Inventor	GRAUPE
				Group Art Unit	1626
				Examiner Name	Coppins, Janet
Sheet	2	of	13	Attorney Docket Number	USA2001/0143 - US - CNT

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FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵ (If known)				
		JP	JP 63303868		YOSHIDA, et al.	12-08-1988		
		WO	WO 00/48982		TUCKER, et al.	08-24-2000		
		WO	WO 00/49007		TUCKER, et al.	08-24-2000		
		WO	WO 00/49008		TUCKER, et al.	08-24-2000		
		WO	WO 00/51998		CYWIN, et al.	09-08-2000		
		WO	WO 00/59881		SINGH, et al.	10-12-2000		
		WO	WO 00/59855		QUIBELL, et al.	11-23-2000		
		WO	WO 01/09110		BEKKALI, et al.	02-08-2001		
		WO	WO 01/19796		GRAUPE, et al.	03-22-2001		
		WO	WO 01/19808		GRAUPE	03-22-2001		

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				Filing Date	02/26/2004
				First Named Inventor	GRAUPE
				Group Art Unit	1626
				Examiner Name	Coppins, Janet
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		Office ³	Number ⁴	Kind Code ⁵ (if known)		
		WO	WO 01/19816	EMMANUEL, et al.	05-22-2001	
		WO	WO 01/30772	TUCKER, et al.	05-03-2001	
		WO	WO 01/55125	BOZSING, et al.	08-02-2001	
		WO	WO 01/58886	MISSBACH, M	08-16-2001	
		WO	WO 95/13069	MORRIELLO, et al.	05-16-1995	
		WO	WO 95/15309	JENKINS, et al.	06-08-1995	
		WO	WO 95/24382	HALLINAN, et al.	09-14-1995	
		WO	WO 96/21655	PEET, et al.	07-18-1996	
		WO	WO 96/30353	PALMER, et al	10-03-1996	
		WO	WO 96/40647	ZIMMERMAN, et al.	12-19-1996	

Examiner Signature		Date Considered	
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Substitute for form 1449A/PYO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/787,367
				Filing Date	02/26/2004
				First Named Inventor	GRAUPE
				Group Art Unit	1626
				Examiner Name	Coppins, Janet
Sheet	4	of	13	Attorney Docket Number	USA2001/0143 - US - CNT

U.S. PATENT DOCUMENTS

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		Office ²	Number ³	Kind Code ⁴ (if known)		
		WO	WO 96/40744	MARLOWE, et al.	12-19-1996	
		WO	WO 96/41638	DOLLE, et al.	12-27-1996	
		WO	WO 97/03679	MALLANO, et al.	02-06-1997	
		WO	WO 98/01133	AIBE, et al.	01-15-1998	
		WO	WO 98/01428	DOMINGUEZ, et al.	01-15-1998	
		WO	WO 98/05336	MARQUIS, et al.	02-12-1998	
		WO	WO 98/08802	YAMASHITA, et al.	03-05-1998	
		WO	WO 98/08867	SHIONOGI, et al.	03-05-1998	
		WO	WO 98/21188	PRESTON, et al.	05-22-1998	
		WO	WO 98/23586	FLOYD, C.	06-04-1998	

Examiner Signature		Date Considered	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/787,367
Sheet	6	of	13
		Attorney Docket Number	USA2001/0143 - US - CNT

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		ADAMS, et al., Potent and Selective Inhibitors of the Proteasom: Dipeptidyl Boronic Acids, <i>Bioorganic & Medicinal Chemistry Letters</i> , 8: 333-338 (1998).
		ASHWORTH, et al., 4-Cyanothiazolidides as very potent, stable Inhibitors of dipeptidyl peptidase IV, <i>Bioorganic & Med. Chem. Letters</i> , B,Oxford, 6(22):2745-2748 (1996).
		BERGEMAN, et al., Studies on the reactivity of .alpha.-cyano.alpha.-isocyano alkanotes. Versatile synthons for the assembly of imidazoles, <i>Helv.Chim. ACTA</i> , 82(6):909-918 (1999).
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Sheet	7	of	13	Filing Date	02/26/2004
				First Named Inventor	GRAUPE
				Group Art Unit	1628
				Examiner Name	Coppins, Janet
				Attorney Docket Number	USA2001/0143 - US - CNT

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		GOUR-SALIN, et al., Inhibition of papain by peptide nitriles: conversion of the nitrile group into other functionalities via the papain:nitrile thiomide ester adduct, Can. J. of Chem., CA, National Research Council, Ottawa, 69(8):1288-1297 (1991).		
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		Filing Date	02/26/2004
		First Named Inventor	GRAUPE
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		THOMPSON, et al., Carboxyl-modified amino acids and peptides as protease inhibitors, J. Med. Chem., 29(1):104-111 (1986).	
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		Office ³	Number ⁴	Kind Code ⁵ (if known)			
	JP	JP 2001-011037		SATO, et al.	01-16-2001		
	JP	JP 2001-055366		SATO, et al.	02-27-2001		
	WO	W000/59881		SINGH, et al.	10-12-2000		
	WO	WO01/09169		SINGH, et al.	02-08-2001		
	WO	WO02/057248		QUIBELL, et al.	07-25-2002		
	WO	WO02/057249		QUIBELL, M	07-25-2002		
	WO	WO02/057270		QUIBELL, M	07-25-2002		
	WO	WO02/096892		OHMOTO, et al.	05-30-2002		
	WO	WO02/100849		HICKEY, et al.	12-19-2002		
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